

FORM PTO-1449

(Use several sheets if necessary)

U.S. Dept. of Commerce Patent and Trademark Office Atty Docket No. P1216R1C1D3

Serial No. 10/785,433

Applicant Ashkenazi et al.

Filing Date

Group

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Examiner Initials			Document Number	Date	Name	Class	Subclass	Filing Date
MH	٠	1	4,579,827	01.04.86	Sakamoto et al.			
MH	ŀ	2	5,650,295	22.07.97	Li et al.		\star	
MH	ŀ	3	6,022,708	08.02.00	de Sauvage et al.			26.02.98

FOREIGN PATENT DOCUMENTS

xaminer nitials			Document Number	Date		Country	Class	Subclass	Transla Yes	ation No
	L				1	Country	Ciass	Subclass	162	INU
MH	*	4	199,141	29.10.86	EPO					
	٠	5	317,050	24.05.89	EPO					
	÷	6	WO 90/05537	31.05.90	PCT	_		//		
	*	7	WO 96/34943	07.11.96	PCT	•		/		
	٠	8	WO 98/24897	11.06.98	PCT			ሽ		
	٠	9	WO 98/40483	17.09.98	PCT					
W	*	10	WO 98/42739	01.10.98	PCT					
MH	*	11	WO 99/02561	21.01.99	PCT					

OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages, etc.)

MH	* 12	Alderson et al., "Molecular and Biological Characterization of Human 4-1BB and Its Ligand." <u>European</u> <u>Journal of Immunology</u> . 24(9):2219-2227 (Sep 1994)
		Mitschul and Gigh Woogl Mignest Statistical Methods in Francisco 200 400 (1000)

gnment Statistics Methods in Enzymology 266:460-480 (1996) MН * 13

Auffray et al., "H. sapiens partial cDNA sequence; clone c-0xd10. partial cDNA sequence; transcribed 14 sequence fragment" (DATABASE EMBL - EMEST16 Accession No. F02373) (Jan 28, 1995)

(Dayholl) * 15

* 16

Chambers and Allison., "Co-Stimulation in T Cell Responses." Current Opinion in Immunology. 9(3):396-404 MH (Jun 1997) * 18

De Smet et al., "The Activation of Human Gene MAGE-1 in Tumor Cells is Correlated with Genome-Wide Demethylation." Proc. Natl. Acad. Sci. USA 93(14):7149-7153 (Jul 9, 1996) MH

Finn and Lotze., "Introduction: Third Keystone Symposium on Cellular Immunology and the Immunotherapy of Cancer." Journal of Immunotherapy. 21(2):114-118 (Mar 1998) * 20 MH

GBTRANS Database, Accession No. AF172398 (blast results) (Direct Submission Feb 26, 2001) * 21

MH GBTRANS Database, Accession No. AF191495 (blast results) (Direct Submission Oct 1, 1999) 22 MH

Examiner

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* 17

/Maher Haddad/

Date Considered

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Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM	PTO-1	449	U.S. Dept. of Commerce	Atty Docket No.	Serial No.
			Patent and Trademark Office	P1216R1C1D3	10/785,433
LIST	OF DI	SCLOSURES CITED BY APPLICANT		Applicant Ashkenazi et al.	
l a	lse sev	eral sheets if necessary)		Filing Date	Group 1644
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			OSURES (Including Author, Title, Date	•	
МН	* 23	GBTRANS Database, Accession No. (Direct Submission Jan 25, 1999)		-	
MH	* 24	GBTRANS Database, Accession No. results) (Direct Submission Dec		(novel protein) - Hom	no sapiens* (blast
MH	* 25	GETRANS Database, Accession No. Submission Jan 18, 2000)	AL136649, "HSM801619_1 hypothe	tical protein" (blast	results) (Direct
MH	* 26	GBTRANS Database, Accession No.	AY016009 (blast results) (Dire	ect Submission Dec 4, 2	2000)
	* 27	OPTIONS Butubase, Scarcli Suce Ac	ng 23, 2003 <u>Accession No. Ambi</u>	731 (Schmell, F.O. ec a	(1.), 23-WAI-1333
	\vdash	COMPAND Detabase, Conven Date-Au	og Ot, 0000 <u>Assession Vs. Akto</u>	009 (OobookayMiDi oo (1.), 19 NOV 1999—.
	* 28				
	• 29	oblicans Database, Search Date Ac	ig 13, 2003 <u>Accession No. AAPO</u>	<u>:223 (Falmeri,D et al.)</u>	, 11 AFR 2000
	+ 30	ODTAMO Ducabase, Scurch Duce Au	uy 23, 2003 <u>Accession no. Anozo</u>	373 (Gupta,3.k. et al .	7, 01-001-1999
	• 31	OBTIGUES DATABASE, Search Date AC	ng 25, 2005 <u>Accession No. AAGE</u>	022 (Cumingham, O.A. C	.c-ul.), 04-DEC-2000-
	* 32	opinano bacabase, search bace ac	ng 15, 1005 Accession No. AANO	529 (Ottuusberg, R. et	ul.;, 21 bbc 2000-
		ODTIVANO Database, Scarch Sate Ac	19 25, 2003 Accepton Nov 19811	585 (Sevenskovy, it et-	1.), 10 77 2001
	* 33	GBIKANS Dalabase, Search Date At		773 (Strausberg, R et e	
	* 34				11.77 03 580 5001
	* 35	SETRANS Bucabaso, Scarch Bacc Ac	ig 15, 1009 <u>hercesien Ner Mib</u>01	 538 	-30-JAN-3002-
	* 36	COTIONS Dutabase, Starth Batt Ac	sy 25, 2000 <u>Accession No. AMOO</u>	566 (Wensel, W es al.)	• • • • • • • • • • • • • • • • • • •
	• 37	GBIRANS Database, search bate Ad	ly 20, 2000 <u>Accession No. DACE</u>	136 (Toogai,T ot al.),	26 MAD 2002
	* 38	CRIPANC Database, Coarch Date Av	g 25, 2002 Accession No. CARSI	536 (Kangnaece K. et. a)	1 25m/ANn 1999
	* 39	GBIKANS Dacabase, Search Dace Ac	ng 23, 2003 <u>Accession No. CABO</u> C	301 (Dlum, N. et al.),	10 OUL 2002
		ODINAMS Dacabase, Search Dace Ad	g 23, 2003 Accession No. CARDO	201 (bejanin,5. et al.	1, 05 00x-2003
	* 40				
	* 41	83 July 1373	ng 85, 2005 <u>necession no. 1 no.</u>		uzi,, sub babb
	• 42	OD THE 1999	ng OC, 2003 Accession No. 2 AM	22222 (Achkenasi A. ot	el.), Pub Dote
Examin	er	/Maher Haddad/		Date Considered 06/2	13/2006
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FORM	M PTO-1	1449	U.S. Dept. of Commerce	Atty Docket No. Serial No.		
	• •		Patent and Trademark Office	P1216R1C1D3	10/785,433	3
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			RES (Including Author, Title, Date, I			
	* 43	GBTRAMS Batabase, Scarch Bate Aug 25	, 2005 Accession No. 1 ANYE:	3926 (Abblemani A co	olel, Pub Do	abo-
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	• 44	ODTRAMO Detabase, Secret Date Jug 35 03 JUN 1979	, 2002 Assession No. D AAV2	3320 (Aghkonagi A of	al bub Da	150
	+ 45	OSTANS Dacabase, Search bate Aug 25	, 2003 ACEBBION NO. HADEGO!	I (Naik, U.P. et al.),	70.1FP.SOOI	
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	₩	GENERAL Detabase, Search Date Sep 0,		**** (Palmore D. 00 a)	-17 2000	
	* 48			<u> </u>	TI	
	 	ODNESSO Database, Search bute Sep 0,	, 2003 Accession No. Nº 00915	99 (Languages, K-et-el	-1, 2000	
	* 49				•	
	-	OEMESEQ Database, Search Date Sep 6,	2003 Accession No. NE 03004	12 (Nornecki)B. et al), 1990	
	* 50					
	 	OBNESES Ducubuse, Scarch Date Sep 8,	2003 Acception No. NP 00701	42 (Pulmeri,D et al.)	7 8888	
	* 51					
	+ 52	OEMESEQ Database, Search Date Sep 6,	2003 ACCESSION NO. NE 05300	04 (NornecklyB. et al	.), 1390	
<u> </u>						
_	+ 53	GENESEQ Database, Search Date Sep 6,	2003 Accession No. NE 05300	(Mornecki, D. co or	1, 1000	
		OZNESES Database, Search Bate Sep 8;	Cont. Towards No. 100 CP3A	Managhi V ak al	1000-	
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	<u> </u>	GENESEY Database, Search Date Sep 0,	2003 Accession No. NE 83308		1000	
	• 55		2003 20000020	T (NOTHOUND) 2.		_
		GENESEY Database, Search Date Sep o,	2005 Accession No. 1 AMD19.	596 (Garela 10 et al.	1, Pab Date	
	* 56	13-0C1-2000				
		GENESEY Database, Search Date Sep 0,	2000 Acception No. P ANDOM	AT (Dollow KD of o)	Dub Dara	
'	* 57	14-05F-2500				
		GENESEY Database, Search Date Sep 6,	2003 Accession No. 2 AADS14	101 (Ablikenaul Ad ce-	ali), Pub Da	
	* 58	CO JUN DOCC				
	* 59	OR THE SOUL	2003 ACCESSION NO. F AAD244	103 (Ashkenazi As et 1	ul.), rub ba	
	, 5,			<u> </u>		
	+ 60	21-DBC-2000	2000 Accession No. 7 AAD312	LOZ (Nolskenazi AD et e	oli), tub bu	te
					.D. Jr. Da	
		14 our zoou	2003 ACCESSION NO. P ANDSSE	121 (Ashkemazi Ad et e		bo-
		GENEGEQ Database, Search Date Cop 0,	2003 Aggregion No. D ANDAG	147 (Achkonazi Al et	al) Pub Dai	
	• 62	11-000 2000			<u></u>	<u> </u>
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LIST	OF DIS	SCLOSURES CITED BY APPLICANT	Applicant Ashkenazi et al.		
(Us	se seve	eral sheets if necessary)	Filing Date 24 Feb 2004	Group 1644	
		OTHER DISCLOSURES (Including Author, Title, Dat	e, Pertinent Pages, etc.)		
		Gadasay batabase, Search Date Sep 6, 2003 hecession No. 5 333	COOM (Achlenosi N. ot	al I Rub Date	
	* 63	0 7-086-200 0			
	* 64	GENESEQ DATABASE, Search Date Sep 8, 2003 Accession NO. P HAD	AND TANKENSY AN EC	al.), rob bace	
	• 65 [.]	GENESEQ Database, Search Date Sep 8, 2003 Accession No. F ARD	OSCOO (Ashkenazi Ad cc	ol.), Pub Baba	
,	• 66	GENESEQ DATABASE, SEATCH DATE SEP 8, 2003 ACCESSION NO. F ARE	33330 (Wateon OB et al.), Pub Date	
,	• 67	CONECTO Detabase, Courch Date Cop 0, 2003 Nocessian No. P AAB	56015 (Mateon 35 et al	.) ; Fub Dute	
,	• 68	GENESEQ DACADASE, SEATON DACE SEP 8, 2003 ACCESSION NO. P AAB	BUZZZ (ABNKENBZI AD EC	al.), Pub Dace:	
	* 69	GENESEO Database Search Date Sen 8 2003 Accession No. D AAR 10 Jan 2001	gn737 /Ashkanazi Aŭ at	al I Bub Date	
,	• 70	GENESEQ DACADASE, Search Dace Sep 8, 2003 Accession No. P AAL 25-MAY-2001	usetu (kupen sm ec al.)	, Pub Dace	
	• 71	GENESEQ DATABASE, Search Date Sep 8, 2003 Accession No. 2 AAC 25 MAY 8001	03070 (Ruben SW ec al.	, Fub Bace	
-	* 72	OEMESEQ Database, Search Date Sep 0, 2003 Accession No. 2 MAB 26-MAY 2001	00005 (Ruben 6H es el-	, Pub Date	
,	* 73	OMNESEY Database, Search Bate Stp 0, 2003 Noccession No. P NAB 25-MRI-2001	Made (Ruben CM et al.	Pub Dato	
	74	OENESEQ Database, Search Date Sep 8, 2003 Accession No. : AAB 25 HAY 2001	04250 (Ruben 8H et al.)	7 Pub Date	
	* 75	GENESEQ Database, Search Date Sep 8, 2003 Accession No. 2 AAB 25 MAY 2001	94290 (Ruben SN cc alv)	7 Puls Dass	
-		GENESEQ Database, Search Date Sep 8, 2003 Accession No. P AAE: 20-JUN-2002	26983 (Ruben SM et al.)	, Pub Date	
. ,	• 77	OBMESED Database, Starth Date Sep 0, 2003 Accession No. 2 AME 20-SUN-2002	27121 (Ruben ON et al.)	7-Pab-Bate	
	* 78	ONNESSE DACADASE, SEATCH DATE SEP 8, 2003 ACCESSION NO. F ARM.	13033 (rang ri et al.),	Fub Dace 02-800-2001	
	79	GENESEQ Database, Search Date Sep 8, 2003 Accession No. P AAM	93577 (Ota T et al.), I	Pub Date 05-SEP-2001	
	* 80	SENESEQ Dacabase, Search Dace Sep 8, 2003 Accession No. 1 ANY	22071 (Obs. T ob sl.), 1	Pub Dote 05 CDD 3001	
		GENESEQ Database, Search Date Sep 8, 2003 Accession No. P AAO: 30-JAN-2003	16451 (Heuer JG et al.)	, Pub Date	
-	82	GENESEY Database, Scarch Date Sep 8, 2003 Accession No. ? ARC JU-JAN-2003	18431 (neder 00 et al.)	, Pair Date	
Examiner		/Maher Haddad/	Date Considered	06/13/2006	
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	•	Patent and Trademark Office	P1216R1C1D3 Applicant	10/785,433	
· LIST	LIST OF DISCLOSURES CITED BY APPLICANT				
		•	Ashkenazi et al.	Group	
(Us	se seve	eral sheets if necessary)	Filing Date 24 Feb 2004	1644	
		OTHER DISCLOSURES (Including Author, Title, Date			
	• 83	GENESEY Database, Seatch Date Sep 6, 2003 Accession No. P AROL 03 WAR 8001	voiz (cumingham a ec	al.), Pub Dace	
	. 63	GENESEQ Database, Search Date Sep 8, 2005 Accession No. > AROL			
·	84				
•	85		vols (rong 5 ec al.),	Pub Dace 22-MAK-2001	
. •	* 86	77-04N-2001	2555 (Bakor kr 00 urr)	7 Fub Date	
•	87	OBMESED Database, Scarch Bate Sep 8, 2005 Accession No. 5 NAU- 09-50N-2001	9351 (Baker KP et al.)	- Pub bate	
	* 88	GENESSE Database, Search Date Sep 0, 2003 Accession No. F RAU	4100 (lang il ec al.),	Pub Date 02-A0G-2001	
		GENESES Bacabase, Scarch Bate Sep 8, 2003 Accession No. 1 AA03	4160 (Tang 17 ct ol.),	Ful Duti 02 AUG 2001	
·	89				
·	90	OMNESED Batabase, Scarch Date Sep 0, 2005 Accession No. 2 AAO	4404 (Tang Tr et al.),	Fub Dace 02-800-2001	
•	91	GENESSE Database, Search Date Sep 0, 2003 Accession No. 7 AACC	1403 (Tang IT et al.),	Fub Date 02-R00-2001	
-		CENTREE Dottebase, Counch Date Cop 0, 1003 Accordion No. 5 AMIL	2006 (Boson Ch of all)	- Bub Date	
	92	03-NUS-2001			
-	93	DEVESED Database, Search Date Sep 6, 2003 Accession No. 1 ARMC	1575 (Dejana B et al.)	, rub bace	
		GENESEQ Database, Search Date Sep 8, 2003 Accession No. P ARW.	4464 (Gupta Sk et al.)	, Pub Dace	
		Omnastic Dutubuse, Scurch Dute Sep 6, 8883 Accession No. 8 AAW	Fado (Flames a M. of al	Dub Date	
	95	12 - 6117 - 1798			
		OMNESEQ DACADABE, Search Date Sep 0, 2003 <u>Accession No. 2 AAMS</u> 01 OCT-1998	9497 (Agostino MS et a	1.), Pab Bate	
		GENESEQ Database, Search Date Sep 8, 2003 Accession No. P AATO			
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	98	<u>GENESEQ Database, Search Date Sep 8, 2003 Accession No. : AATO</u>	0071 (Fong 3 ec al.),	rab Date 25 MAR-1933	
===	99	CENECEO December Courch Date Cop 9, 3003 According No. P AAVO	9072 (Fong C ot al),	Dub Date 25 MAD 1000	
	,,	OENESEY Database, Search Date Sep 8, 2003 Accession No. 1 RATO	ava trong s et al	Full Date Zieman	
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	101	CENEDED Decades, Dearen Date Dep 0, 2003 Accession Nov P AAVI	· Chem J ob al.),	Pub Date 35 NAR 1000	
•	102	GENESEQ Database, Search Date Sep 8, 2003 Accession No. F ARTI	3304 (Chen 0 ec al.),	Pub Date 25-MAR-1999	
Examiner		/Maher Haddad/	Date Considered 06/13	/2006	
*Examiner if not in	*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.				

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	. Patent and Trademark Office	P1216R1C1D3	10/785,433		
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(00000	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	24 Feb 2004			
	OTHER DISCLOSURES (Including Author, Title, Date				
*103	GENEROEQ Becalass, Scarch Date Sep 8, 2003 Accession No. 7 AM	25524 (Ashkenazi A et	al.), Pub Date:		
-103					
*104	CENTRE Devakase, Courch Dave Cop 0, 2003 hosticalism No. P hith	11691 (Wood WF oo alr)	, Pub Butu 16 88P 199 9		
*105	GENESEQ Database, Search Date sep 6, 2003 Accession No. F ART	70000 (Fong 5 et al.),	Pab Date 23 NAR 2000		
<u> </u>	CENTERA Parabase Coards Para Con A 2007	70670 (Pong 0 et al.),	Fub Dace 23-Max-2000		
*106					
*107	04-NOV-1999	96011 (Strachan L et a	1.), Pub Bate		
	GENERAL DECEMBER OF SEARCH DATE SEP 8, 2003 ACCESSION NO. P ART	76076 (Strachan L et a	I./, Pub Dace		
+108		DE244 (Achlenogi NY of	al) Pub Pate		
*109	25-00N-2000				
	OENESES Dacabase, Search Dace Sep 0, 2003 Accession No. 1 And	99946 (Ashkenazi AS et	ul.), Fub Bace		
*110	GENESEO Database Search Date Sen & 2002 Accession No. D. ABB	10222 (Roose Chartes)	l Dub Data		
*111			•		
*112	OS NOV 2001	72130 (Wacson ob ec al	.), Fub Dace		
*113	GENESEQ Database, Search Date Sep 8, 2003 Accession No. P Abs 23-NOV-8001	72213 (wacson on ec ai	.), Pub Dace		
 	CANDORS Butubuse, Scarch Sate Sep 0, 2000 Accession No. 7 ADD	04043 (Deles KD ob ol.	- Pub Poto		
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	CENESEQ Database, Search Date Sep 0, 2003 Accession No. 2 ABG	00511 (Damanae NT ot e	1.), Dub Date		
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. LIST	OF DIS	SCLOSURES CITED BY APPLICANT	Applicant Ashkenazi et al.	
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		OTHER DISCLOSURES (Including Author, Title, Da	to Partinant Pages etc.)	
├		CENECES Database Sourch have Son 8 2003 Assession No. D. ABC		21 J. Bub Date
	*123	D6-DBC-2002		•
	*124	OBNESDE Database, Scarch Date Sep 8, 1885 Accession No. P Abo	914014 (ASIMERALI A CC	al.), Fub Dace-
	*125		914994 (hallonesi h ek	al-) - Pub Bote
	*126	GENESEY Database, Search Date Sep 8, 2003 Accession No. P ADD 30-Pat-2002	-01601 (<i>0</i> 00005 K ec al.	7, Fub Date
-	*127	GENESEQ Database, Search Date Sep 8, 2003 Accession No. P ASS	706019 (KOSEN CA ec al.	7, Pub Dace
	-	GENESEY Database, Search Date Sep 6, 2003 Accession No. P ABR	100157 (Rosen Ch et al.	I Date Date
	*128	05-007-2002		77
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	*132	GENESEQ Database, Search Date Sep 8, 2003 Accession No. P ABN	(58532 (ALAE D EC AL.),	Pub Dace 27-MAK-2005
	+133	OCHESES Database, Search Date Sep 6, 2003 Accession No. 1 ADD	<u>903307</u> (Murray & ec al.	7, Feb Dace
	+134	GENESEQ Database, Search Date Sep 8, 2003 Accession No. P ABO 05 DBC 3002	107736 (Ashkenazi A et .	al., rub bace
	*135	GENESEQ Database, Search Date Sep 6, 2003 Accession No. 2 ADS 03-980-2002	187737 (Asklienasi A.st.	el-), Pub Dote
		OMMESED Database, Search Date Sep 8, 2003 Accession No. 8 April	107730 (Ashkenazi A et	al.), Pab Date
	*136	U5- <i>DEC</i> -2002-	PEARLE IS IN	
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	+138	13 OBP 0003	254567 (Auldicinizi A et	al.), Tub Date
	*139	GENESEQ Database, Search Date Sep 6, 2003 Accession No. P ABO 23-0AN-2003	DOSOLO (BAKEL KF EL BI.	, Pub Dace
	*140	29 SAN 2002	ossoss (Baker Kr et al.)), rub bace
	*141	GENESEY Database, Search Date Sep 8, 2003 Accession No. P ABU	<u> (Ashkenasi A et</u>	ol) Dub Dato
	*142	GENESSE Dutabase, Search Bate Sep 8, 2003 Accession No. B ABU	GAELA (Ashkansal A at	Pub Date
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(1	Jse sev	eral sheets if necessary)	Filing Date	Group	
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		OTHER DISCLOSURES (Including Author, Title, Date			
	+142	DENESED Database, Search Date Sep 8, 2003 Accession No. F Abot	(Kuben Sm et al.)	, rub vace	
	143				
	*144	Omnesso Database, Scarch Sate Sep 3, 2003 Accession No. 9 ABUG 20-FEB-2003	(Baker KP et al.)	- Dub Date-	
	*145	20 FEB-2003	JANUAR CE GL.)	7-rub bace-	
	<u> </u>	Ouncong Database, Search Date Sep 8, 2003 Accession No. 2 ADM6			
<u> </u>	*146	13-12D-2008		7-100-0000-	
		GENESEQ Database, Search Date Sep 0, 2003 Accession No. 9 1896	1000 (Dahes KD et al.)	- Dub Dato	
	*147	13-555-2003			
	 	GENESEQ Database, Search Date Sep 8, 2003 Accession No. 7 ADS6	7160 (holdenges hi et	al.), Dub Date	
	*148	13-FB9-2003			
		GENESEQ DACABASE, SEATCH DATE SEP 8, 2003 ACCESSION NO. 2 ABOV	231 (Ashkemari Ad ec	ul.), Pub Duce	
	*149	13-FBB-2005			
		Omnesey Database, Starth Sate Sep 8, 2003 Assession No. 5 ADUC	THE (Nobkonsel Not s	T bub Date	
	*150	30-0AN-2003		•	
-		GENESEV Database, Seatch Date Sep 6, 2003 Accession No. F ABOO 23 588 8003	9632 (Ashkenazi A ec a	1.), Feb Date	
	*151				
	*152	DEMESED Database, Search Date Sep 8, 2003 Accession No. 7 AD06 25-688-2003	7042 (Ashkenazi A et a	1.), Pub Date	
	132				
	*153	19-DEC-2002	122 (112121011212 11 00 0	1-17-145-0666-	
		SENDENCE Batabase, Scarch Bate Sep 0, 2003 Accession No. 2 Abor.			
	*154	13-050-0002	(Halikellazi A ec a	1.// Fun Dace	
	<u> </u>	GENERAL Detabase, Season Date Sep 8, 6000 Necession No. 2 1207	.600 (holikenasi A cc a	In tab Dacc	
	* 155	10 -001-2002-		,	
		CENTICED Detebase, Coarch Date Cop 9, 2002 Accession No. P ADUT	C10 (Achienasi A et e	I.), Dub Date	
	*156	10-0CT-2002-			
		Obviosio Batalass, Search Bate Sep 8, 8883 Accession No. 9 ADUT	<u>001</u> (Ashkanasi A-et-a	1.), Pub Pase	
	*157	02-0AN-2003-	•		
	4150	OEMESER Database, Search Date Sep 0, 2003 Accession No. 7 AD07.	911 (Ablacadzi A et d	1.)7 Pab Date	
	*158				
	+150	GENESSE DATABASE, Search Date Sep 8, 2003 Accession No. 1 Abora 28-Nov-2002	Jo de Labinovicce) CCO.	ul.), Pub Date	
	-139				
	*160	OEMSSEQ Database, Scarch Date Sep 0, 2003 Accession No. 2 Abors 15-Bac 2002	199 (Ashkenazi AG et	al.), Pub Date	
	*161	GENESEQ Database, Search Date Sep 8, 2003 Accession No. P ABOTE	1802 (HBIIKEIIBZI NO EC-	ax./, row bace	
	-	GENESEV Database, Search pate Sep 8, 2003 Accession No. F Apolo			
	*162	93- Jan 2002		ar.,, -t-ab-bacc	
Examine	L		ata Canaidarad		
) Date Considered				06/13/2006	
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FORM PTO	-1449	U.S. Dept. of Commerce	Atty Docket No.	Serial No.					
		Patent and Trademark Office	P1216R1C1D3	10/785,433					
· LIST OF D	ISCLOSURES CITED BY APPLICANT		Applicant Ashkenazi et al.						
(Use se	veral sheets if necessary)		Filing Date 24 Feb 2004	Group					
	OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages, etc.)								
-		Sep 8, 2003 <u>Accession No. P Apo</u>	01037 (Baker NF ec al.)	, Pub Date					
*163									
+164	02-JAN-2005	Sep 8, 2003 ACCESSION NO. P ABO							
*165	30-020-2003-	iop 9, 8003 <u>Accession No. F ADUC</u>	ASSIMENALI A CC AI	.,, rw bace					
*166	31-0c1-2008			At Pub Data					
*167			c) (Oet 18, 3000)						
*168		olon No. 2_524047 (blast result							
*169									
. *170		FION NO. P_BZ44US (DIASC TESUIC							
*171	OLMEDEQ FACERE DACADASE, Access	olon NO. r_booyzi (blast result	B) (SEP 14, 2000)						
*172	GENESEQ Patent Database, Access	olon No. F_B99429 (blast result	b) (Scp 11, 8000)						
*173	GENESEQ Patent Database, Access	SION NO. P_BTT2T/ (blast result	s) (Sep 14, 2000)						
*174	OENESEQ Facenc Dacabase, Access	sion No. r_bassosi.(blasc result	s) (Sep 14, 2000) -						
*175	GENESEL PACENC DACADABE, Access	don No. 2_B33000 (blust result	D) (SCp 11, 9990)-						
*176	OENDSDY FATERIC DATABASE, ACCESS	don No. F_B55556 (blast result	s) (Nov 23, 2000)						
*177	GENESEQ Patent Database, Access	ion no. r_bsecis (blast result	a) (Nov 23, 2000)						
*178	GMNESEY Patent Database, Access	ion No. 1_W01373 (Dlast icsalt	o) (June 11, 1990)						
*179	GENESEQ Patent Database, Access	ion no. P_w/4464 (blast lesult	5) (Oan 21, 1999)						
*180	GENESEQ Facenc Dacabase, Access	ion No. F_W75220 (blast result	b) (Sep 17, 1990) —						
*181	COMMESSE Putent Database, Access	ion No. P. WOESET (black secult	o) (Oct 1, 1888)						
*182	CHNECEQ Patent Database, Access	No. D V08060 (blook comit) (March 35, 1990)						
Examiner	/Mahe	r Haddad/	Date Considered	06/13/2006					
*Examiner: In if not in con	*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.								

FORM	FORM PTO-1449 U.S. Dept. of Commercial		Atty Docket No.	Serial No.
Patent and Trademark Offi		P1216R1C1D3	10/785,433	
- LIST OF DISCLOSURES CITED BY APPLICANT			Applicant Ashkenazi et al.	
(Use several sheets if necessary)			Filing Date	Group
	_		24 Feb 2004	644
<u> </u>	T	OTHER DISCLOSURES (Including Author, Title, Da	te, Pertinent Pages, etc.)	
	*183	_		•
	*184	CONNECT Person Detabage, According to D VASA77 /61act regul	re) /March 25 1999)	_
	*185	OMNESEN PARENT DATABASE, ACCESSION NO. P_108074 (Diast result	.8) (March 25, 1555)	
	*186	GENESEQ Patent Database, Accession No. P_113334 (Diast result	. s) (March 23, 1999)	
	*187	GENESEV Patent Database, Accession No. P_T13301 (blast result	(March 85, 1000)	
	*188	OEMESEQ Facent Database, Accession No. 1_725921 (blast-result	(8a.c 3, 1999)-	
	+189	GENESEV PACENC DALABASE, ACCESSION NO. P_125522 (DIASC TESUT	.8; (UCINE 3, 1999)	
	*190	GEMESEQ Patent Database, Accession No. 1_113314 (blast resolu	(Bunc 9, 1999)	•
-	*191	OEMESEQ Fatent Database, Accession No. 1_Y23926 (blast result	-c) (June 3, 2000)	
	*192	SEMBORQ Patient Detakase, Assession No. D V25558 (black recult	(a) / Yupo ? 1600)	<u> </u>
	*193	OEMESEC Patent Database, Accession No. P_W11091 (blace record)	(Cop 10, 1000)	
-	—	SEMESES Future Butabase, Accession No. P_V78668 (Elast result	s) (Mew 93, 2000)	
	*194			
	*195	GEMESEQ Patent Database, Accession No. P_170070 (blast result	.B) (March 23, 2000)	
	*196	GENERUQ Patent Database, Assession No. D_V76011 (black week)	(Nov. 1, 1000)	
	* 197	SEMBORQ Patont Batabase, Accession No. F_170076 (Diast Tesuit	B) (NOV 4, 1999)	
	*198	CENTROPS Patent Batabase, Necession No. P_195311 blact result	s) (June 39, 3000)	
	*199	GENESTO Datent Database, Associas No. 5_V05346 (Sloot result	u)- (5unc 23, 2000)	
MH	Heath et al., "The human A33 antigen is a transmembrane glycoprotein and a novel member of the immunoglobulin superfamily" Proc. Natl. Acad. Sci. USA 94(2):469-474 (Jan 21, 1997)			
MH	*201	Hellstrom and Hellstrom., "T Cell Immunity to Tumor Antigens. 18(1-2):1-6 (1998)		•
МН	*202	Hiller et al., "zb18h08.rl Soares fetal lung NbHL19W Homo sap EMEST13 Accession No. W17367) (May 4, 1996)	iens cDNA clone 302463	5'" (DATABASE EMBL -
Examine	r	/Maher Haddad/	Date Considered 06/	13/2006
*Examinif not	er: Init in conf	tial if reference considered, whether or not citation is in conformance with MPE ormance and not considered. Include copy of this form with next communication	P 609; draw line through citaten to applicant.	tion

FORM PTO-1449 U.S. Dept. of Commerce			1449 U.S. Dept. of Commerce	Atty Docket No.	Serial No.				
•	Patent and Trademark Office			P1216R1C1D3	10/785,433				
LIST OF DISCLOSURES CITED BY APPLICANT				Applicant Ashkenazi et al.					
	(L	lse sev	veral sheets if necessary)	Filing Date 24 Feb 2004	Group 1644				
	OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages, etc.)								
			Hiller et al., "zd74g06.rl Soares fetal heart NbHH19W Homo sa		5'" (DATABASE EMBL				
1	MH	*203	- EMEST14 Accession No. W79882) (Jun 27, 1996)	•					
	I_	"Isolation of Mouse Mononuclear Cells" <u>Current Protocols in Immunology</u> , Coligan et al. eds., John Wiley & Sons, Inc. Vol. 1:unit 3.1.2 (1993)							
		*205	enkins, M., "The Ups and Downs of T Cell Costimulation." <u>Immunity.</u> 1(6):443-446 (Sep 1994)						
		*206	une et al., "The B7 and CD28 Receptor Families." <u>Immunology Today.</u> 15(7):321-331 (Jul 1994)						
		*207	(won et al., "Manipulation of T Cell Costimulatory and Inhibitory Signals for Immunotherapy of Prostate Cancer." Proc. Natl. Acad. Sci. USA 94(15):8099-8103 (Jul 22, 1997)						
		*208	Linsley and Ledbetter., "The Role of the CD28 Receptor During T Cell Responses to Antigen." <u>Annu. Rev.</u> Immunol. 11:191-212 (1993)						
		*209	Lynch et al., "Flt3 Ligand Induces Tumor Regression and Antitumor Immune Responses In Vivo." <u>Nature</u> Medicine. 3(6):625-631 (Jun 1997)						
		*210	Martin-Padura et al., "Junctional adhesion molecule, a novel member of the immunoglobulin superfamily that distributes at intercellular junctions and modulates monocyte transmigration" <u>Journal of Cell</u> Biology 142(1):117-127 (Jul 13, 1998)						
			Melero et al., "Monoclonal Antibodies Against the 4-1BB T-cell Activation Molecule Eradicate Established Cumors." Nature Medicine. 3(6):682-685 (Jun 1997)						
			Monks et al., "Feasibility of a High-Flux Anticancer Drug Screen Using a Diverse Panel of Cultured Human Tumor Cell Lines" J. Natl. Cancer Institute 83(11):757-766 (Jun 5, 1991)						
		*213	REFSEQ Database, Accession No. NM_016946 (blast results) (199						
		*214	REFSEQ Database, Accession No. NM_021219 (blast results) (2000)						
		*215	Schwartz, R., "Costimulation of T Lymphocytes: The Role of CD28, CTLA-4, and B7/BB1 in Interleukin-2 Production and Immunotherapy." <u>Cell.</u> 71(7):1065-1068 (Dec 24, 1992)						
			Skehan et al., "New Colorimetric Cytotoxicity Assay for Anticancer-Drug Screening" <u>J. Natl. Cancer</u> Institute 82(13):1107-1112 (Jul 4, 1990)						
			wissprot (SPROT) Database, Accession No. P57087, "VEJA_HUMAN Vascular endothelial junction-associated colecule precursor - Homo sapiens" (blast results) (2000)						
			wissprot (SPROT) Database, Accession No. Q9Y624, "JAM1_HUMAN Junctional adhesion molecule precursor - omo sapiens" (blast results) (1999)						
		*219	Valunas et al., "CTLA-4 Can Function as a Negative Regulator of T Cell Activation." <u>Immunity.</u> (5):405-413 (Aug 1994)						
				lelt et al., "Phase I/II study of iodine 131-labeled monoclonal antibody A33 in patients with advanced colon cancer" <u>Journal of Clinical Oncology</u> 12(8):1561-1571 (Aug 1994)					
1		*221	Welt et al., "Quantitative analysis of antibody localization study of monoclonal antibody A33" <u>Journal of Clinical Oncolog</u>	elt et al., "Quantitative analysis of antibody localization in human metastatic colon cancer: a phase I tudy of monoclonal antibody A33" <u>Journal of Clinical Oncology</u> 8(11):1894-1906 (Nov 1990)					
M	н								
Exa	mine	·[/Maher Haddad/	Date Considered 06	/13/2006				
*Ex	amin not	er: Init	tial if reference considered, whether or not citation is in conformance with MPE ormance and not considered. Include copy of this form with next communication	P 609; draw line through citaten to applicant.	tion				

INFORMATION DISCLOSURE STATEMENT PTO-1449			ATTY. DOCKET NO.: 39780-1216 R1D3 APPLICANT: Avi ASHKENAZI, et al.					
			FILING DATE: February	GROUP: 1644				
		U.S	. PATENT DOCUMENTS					
EXAMINER'S INITIALS	PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE		
MH	6,410,708	06/25/2002	Avi Askenazi et al.	536	23.5			
		FORI	EIGN PATENT DOCUMENTS	<u> </u>				
EXAMINER'S	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION		
INITIALS						YES	NO	
MH	WO 00/29583 A2	5/25/2000	PCT	C12N	15/12		×	
	OTHER DO	CUMENTS (Including Author, Title, Date, P	Pertinent Pa	iges, Etc.)			
	Martin-Padura et al Distributes at Intere 1, pages 117-127, J	chular Junctio	Adhesion Wolecule , A Novel Mans and Modulates Monscyte Trans	mber of the nemigration	Immunoglobin ", J. Coll Biolog	Superfan y, Vol. 1	nily tha t 12, No .	
	Ozaki et al, "Cutting Edge: Combined Treatment of the TNF-alpha and IFN-gamma causes Redistribution of Junctional Adhesion Molecule in Human Endothelial Cells", J. Immunol., Vol. 163, No. 2, July 15, 1999.							

/Maher Haddad/

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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